

# Explosion Proof Glands

## BARR-Pb EEx d IIC Brass Barrier Gland 424TP Series



### Application

- > For lead sheathed OCMA type cables

### Features & Benefits



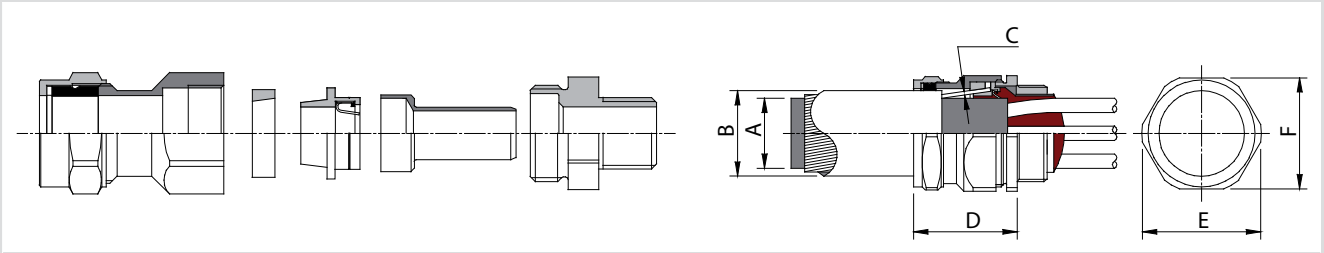
- > Brass indoor and outdoor cable gland for use in Zone 1 and Zone 2 hazardous areas
- > Suitable for circular, galvanised steel single wire armour cables with extruded polymeric oversheath and lead inner sheath
- > Achieves IP66 seal onto cable and to enclosure with suitable sealing washer or thread sealant
- > Provides mechanical cable retention and electrical continuity through the armour wire termination
- > Provides electrical continuity to the inner lead sheath
- > Suitable for most climatic conditions – weatherproof & waterproof
- > Nickel plated versions also available
- > Matching accessory kits available

### Technical Data

- > Certified II 2GD, EEx e II & EEx d IIC under ATEX directive 94/9/EC
- > Certificate number Sira04ATEX1080X
- > Service temperature range -60°C to +90°C
- > May be used in:
  - Zones 0, 1 & 2 with EEx ia IIA, B & C equipment
  - Zones 1 & 2 with EEx ib IIA, B & C equipment
  - Zones 1 & 2 with EEx d IIA, B & C equipment with any volume
  - Zones 1 & 2 with EEx e II equipment
  - Zones 1 & 2 with EEx p II equipment
  - Zone 2 with EEx nA II equipment
  - Zone 2 with EEx nR II equipment
  - Zones 21 & 22 with EEx tD II equipment



# BARR-Pb EEx d IIC Brass Barrier Gland



## Gland Details

| GLAND REFERENCES & THREAD SIZES |               |             | CABLE DIMENSIONS, mm         |                              |                      |      |                  |      |                      | GLAND DIMENSIONS       |              |         |
|---------------------------------|---------------|-------------|------------------------------|------------------------------|----------------------|------|------------------|------|----------------------|------------------------|--------------|---------|
| BASIC SIZE                      | METRIC        |             | MAXIMUM DIA. OVER CONDUCTORS | MAXIMUM NUMBER OF CONDUCTORS | LEAD SHEATH DIA. 'A' |      | OVERALL DIA. 'B' |      | ARMOUR WIRE DIA. 'C' | APPROXIMATE LENGTH 'D' | HEXAGON SIZE |         |
|                                 | DESIGN NUMBER | THREAD SIZE |                              |                              | MIN                  | MAX  | MIN              | MAX  |                      |                        | A/C 'E'      | A/F 'F' |
| 20S                             | 424TP52       | M20 × 1.5   | 11.0                         | 30                           | 7.0                  | 9.5  | 8.0              | 15.8 | 0.9 / 1.4            | 67                     | 34.0         | 30.5    |
| 20                              | 424TP53       | M20 × 1.5   | 11.0                         | 30                           | 8.0                  | 12.0 | 11.7             | 20.8 | 0.9 / 1.4            | 64                     | 34.0         | 30.5    |
| 25                              | 424TP85 *     | M25 × 1.5   | 16.0                         | 42                           | 11.0                 | 17.0 | 17.0             | 27.2 | 0.9 / 1.25           | 65                     | 42.2         | 37.6    |
| 25                              | 424TP55       | M25 × 1.5   | 16.0                         | 42                           | 11.0                 | 17.0 | 17.0             | 27.2 | 1.25 / 1.6           | 65                     | 42.2         | 37.6    |
| 32                              | 424TP86 *     | M32 × 1.5   | 22.1                         | 60                           | 15.5                 | 23.2 | 19.0             | 33.5 | 1.25 / 1.6           | 77                     | 53.6         | 47.3    |
| 32                              | 424TP56       | M32 × 1.5   | 22.1                         | 60                           | 15.5                 | 23.2 | 19.0             | 33.5 | 1.6 / 2.0            | 77                     | 53.6         | 47.3    |
| 40                              | 424TP57       | M40 × 1.5   | 28.2                         | 100                          | 22.5                 | 29.0 | 26.5             | 39.9 | 1.6 / 2.0            | 77                     | 61.5         | 56.4    |
| 50                              | 424TP89 *     | M50 × 1.5   | 37.1                         | 200                          | 28.5                 | 40.0 | 36.0             | 52.6 | 1.6                  | 84                     | 77.2         | 70.1    |
| 50                              | 424TP59       | M50 × 1.5   | 37.1                         | 200                          | 28.5                 | 40.0 | 36.0             | 52.6 | 2.0 / 2.5            | 84                     | 77.2         | 70.1    |
| 63                              | 424TP61       | M63 × 1.5   | 48.4                         | 400                          | 39.0                 | 51.8 | 46.5             | 65.3 | 2.5                  | 90                     | 87.4         | 80.0    |
| 75                              | 424TP63       | M75 × 1.5   | 58.6                         | 400                          | 51.5                 | 64.0 | 58.0             | 78.0 | 2.5 / 3.15           | 96                     | 109.2        | 98.8    |
| 85                              | 424TP64       | M85 × 2     | 65.8                         | 400                          | 63.0                 | 70.0 | 68.0             | 88.0 | 2.5 / 3.15           | 108                    | 126.0        | 115.0   |

\* Sizes 424TP85, 424TP86, and 424TP89 are designated BARR-PBS and are designed to suit smaller diameter armour wires. They are available to special order and subject to minimum order quantities.